



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

**CONSTRUCTION CODE COMMISSION
BUREAU OF CONSTRUCTION CODES**

Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

AGENDA

January 9, 2009
1:00 p.m.

1. Call to Order and Determination of Quorum
2. Approval of Agenda (Pages 1-2)
3. Approval of Minutes – November 5, 2008 (Pages 9-14)
4. Director's Report I. Poke
5. Report of Assistance to Local Enforcing Agencies - Document 09-01 (Page 15) B. Aben
6. Applications for Approval to Administer and Enforce (Pages 16-17) M. Somers
 - a) With Proposed Ordinance – Document 09-02a
 - b) With Certified Ordinance - Document 09-02b
7. Performance Evaluation Report (Pages 18-27) M. Somers
 - a) City of Garden City/Wayne County – Document 09-15
8. Recommendation to Close Performance Evaluation (Pages 28-31) M. Somers
 - a) Union Township/Isabella County – Document 09-09
9. Applications for Program Approval – Document 09-03 (Pages 32-36) B. Aben

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Agenda - Construction Code Commission – January 9, 2009

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10. Applications for Instructor Approval – Document 09-04 (Pages 37-39) B. Aben
11. Applications for Inspector Registration - Documents 09-05a-f (Pages 40-47) B. Aben
12. Product Approval – Mechanical (Page 48-61) T. Barry
 - a) Flexible Gas Piping with Black Protective Sleeve – Document 09-06
 - b) Cooktek Induction Cooktop, Mosshaim Infrared Cooktop and Bon Chef Pot - Document 09-07
13. Product Approval – Plumbing (Pages 62-63) B. Konyndyk
 - a) SFA Saniflow Macerating Water Closet System – Document 09-08
14. Public Comment
15. Old Business
16. New Business
17. 2009 Schedule – March 4th, May 6th, July 1st, September 2nd, November 4th
18. Adjournment

The meeting site and parking is accessible. Individuals attending the meeting are requested to refrain from using heavily scented personal care products, in order to enhance accessibility for everyone. People with disabilities requiring additional services (such as materials in alternative format) in order to participate in the meeting should call Holly Velez at (517) 241-9302 at least 10 work days before the event.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

CONSTRUCTION CODE COMMISSION
DEPARTMENT OF LABOR & ECONOMIC GROWTH
BUREAU OF CONSTRUCTION CODES
Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

MINUTES

September 10, 2008
9:30 a.m.

MEMBERS PRESENT

Mr. William Benoit, Jr.
Mr. Duane Branch
Mr. Robert DeBerardino
Ms. Dawn Holtrop
Ms. Kelly Hunt
Mr. Robert Jagenberg
Mr. Clifton Lewis
Mr. Nelson McMath
Mr. Amru Meah
Mr. Sean O'Neil
Mr. Don Pratt
Mr. Edwin Tatem
Ms. Beth Yorke

MEMBERS ABSENT

Mr. William Donovan
Mr. Kenneth Lawless
Mr. Tony Sanfilippo

DEPARTMENT OF LABOR & ECONOMIC GROWTH PERSONNEL ATTENDING

Mr. Irvin J. Poke, Director
Mrs. Beth Aben, Deputy Director
Mrs. Holly Velez, Secretary to Mr. Poke
Ms. Margie Hebden, Secretary to Mrs. Aben
Mr. David Viges, Director, Office of Management Services
Mr. Scott Fisher, Director, Office of Local Government & Consumer Services
Mr. Larry Lehman, Chief, Building Division
Mr. Charles Curtis, Assistant Chief, Building Division
Mr. Todd Cordill, Assistant Chief, Plan Review
Mr. Daniel O'Donnell, Chief, Electrical Division
Mr. Jim Hennesey, Assistant Chief, Electrical Division

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September 10, 2008

Mr. Tennison Barry, Chief, Mechanical Division
Mr. Kevin Kalakay, Assistant Chief, Mechanical Division
Mr. Andrew B. Neuman, Assistant Chief, Plumbing Division
Mrs. LeeAnn Allaire, Analyst, Office of Management Services
Mr. Jonathon Paradine, Senior Inspector, Mechanical Division
Mr. Joe Madziar, Senior Inspector, Plumbing Division
Mr. Lar Braun, Mechanical Inspector, Mechanical Division

OTHERS IN ATTENDANCE

Tom Walsh, West Bloomfield Township
Mark Koppelo, West Bloomfield Township
Philip Gentile, West Bloomfield Township
Lee Schwartz, Michigan Association of Home Builders
Lynn Briggs, Contractors Legislative Services
Robert Palmer, Vienna Township
Robert Davis, Vienna Township
Bert Gale, AGS
Corey Roblee, International Code Council

1. CALL TO ORDER AND DETERMINATION OF QUORUM

Chairperson Pratt called the meeting to order at approximately 9:34 a.m. A quorum was determined present at that time.

2. APPROVAL OF AMENDED AGENDA

A **MOTION** was made by Commissioner McMath and supported by Commissioner Branch to approve the amended agenda. **MOTION CARRIED.**

3. APPROVAL OF MINUTES

A **MOTION** was made by Commissioner Benoit and supported by Commissioner DeBerardino to approve the amended minutes of the July 9, 2008 meeting by adding Mr. Scott Fisher. **MOTION CARRIED.**

4. APPOINTMENT OF BCC DIRECTOR – Document 08-68

Chairman Pratt read to the Commission Document 08-68 announcing Irvin J. Poke as the Director of the Bureau of Construction Codes.

5. **DIRECTOR'S REPORT**

Mr. Poke thanked the Commission and those that have supported him throughout the years.

Mr. Poke thanked Beth Aben for her fine job of handling the bureau in the interim between Henry Green's departure and his appointment.

The ICC Final Action Hearings are scheduled for September 17th – 23rd and bureau staff will be attending.

The Code Officials Conference of Michigan (COCM) will be holding their Fall Conference on October 7th-10th. Mr. Poke will be attending on the 9th and 10th in Traverse City.

Welcome back to Commissioner Meah who due to personal reasons has been unable to attend for several meetings. It's great to have you back!

Mrs. Aben thanked Holly Velez for doing a great job of keeping everything on track and all her assistance. She also thanked her Secretary, Margie Hebden, for all her assistance.

6. **PROPOSED 2009 MEETING DATES** – Document 08-58

A **MOTION** was made by Commissioner Lewis and supported by Commissioner O'Neil to approve the 2009 meeting dates. **MOTION CARRIED.**

7. **REPORT OF ASSISTANCE TO LOCAL ENFORCING AGENCIES**
Document 08-56

Ms. Beth Aben presented, for information only, a list of municipalities for which the bureau is providing assistance.

8. **REPORT OF RESCINDING ORDINANCE** – Document 08-61

Mr. Scott Fisher presented a certified ordinance from Worth Township/Sanilac County rescinding their building, electrical, mechanical, and plumbing ordinance and transferring the authority to the County of Sanilac. It is the recommendation of staff that this ordinance be approved.

A **MOTION** was made by Commissioner Branch and supported by Commissioner Meah to approve the ordinance. **MOTION CARRIED.**

9. **APPLICATION FOR APPROVAL TO ADMINISTER AND ENFORCE**

a) **With Certified Ordinance – Document 08-52**

Mr. Scott Fisher presented an application for approval to administer and enforce and certified ordinances from the City of Newaygo/Newaygo County (Michigan Building, Electrical, Mechanical and Plumbing Codes).

A **MOTION** was made by Commissioner DeBerardino and supported by Commissioner Branch to accept the recommendation of staff to approve the applications and ordinances for approval to administer and enforce the above codes listed on Document 08-52. **MOTION CARRIED.**

10. **PERFORMANCE EVALUATION REPORT**

a) **Vienna Township/Genesee County - Document 08-59**

Mr. Scott Fisher presented a performance evaluation report of Vienna Township/Genesee County. It is the recommendation of staff to accept the report with the recommendations as outlined.

Following discussion by Mr. Robert Palmer, Building Official, and the Commission, a **MOTION** was made by Commissioner Meah and supported by Commissioner McMath to accept the recommendations of staff. **MOTION CARRIED.**

11. **APPLICATIONS FOR PROGRAM APPROVAL – Document 08-53**

Mr. Scott Fisher presented a list of continuing education program applications for approval. The programs were reviewed and found to be in compliance with the registration rules and it is the recommendation of staff that the programs be approved.

A **MOTION** was made by Commissioner O'Neil and supported by Commissioner Benoit to approve the applications as submitted. **MOTION CARRIED.**

12. **APPLICATIONS FOR CONTINUING EDUCATION INSTRUCTOR APPROVAL**
Document 08-54

Mr. Scott Fisher presented a list of continuing education instructor applications for approval. Each has documented training and education in compliance with the registration rules, and it is the recommendation of staff that the instructors be approved.

A **MOTION** was made by Commissioner Meah and supported by Commissioner Jagenberg to approve the applications as submitted. **MOTION CARRIED.**

13. **APPLICATIONS FOR REGISTRATION OF CODE OFFICIALS**

Document 08-55a-f

Mr. Scott Fisher presented a list of applications for registration as building officials, building inspectors, plan reviewers, electrical inspectors, and mechanical inspectors. It is the recommendation of staff that the individuals listed be approved.

A **MOTION** was made by Commissioner Benoit and supported by Commissioner O'Neil to approve the applications. **MOTION CARRIED.** (Commissioners Meah & DeBerardino abstained.)

14. **INSPECTOR REGISTRATION APPEAL**

a) Mark B. Koppelo – Document 08-60

Mr. Scott Fisher presented information regarding Mr. Koppelo's appeal of the denial of his request for registration as a building inspector.

After discussion by the Commission a **MOTION** was made by Commissioner Meah and supported by Commissioner Benoit to remand this back to Department Staff for further consideration. Commissioner Branch requested that if the additional information Mr. Koppelo provides still does not qualify him for registration as a building inspector, he would like staff to show the Commission how close he is to qualifying. **MOTION CARRIED.** (Commissioner Tatem Abstained)

15. **PUBLIC COMMENT**

None.

16. **OLD BUSINESS**

None.

17. **NEW BUSINESS**

None.

18. **2009 MEETING SCHEDULE** – January 9th, March 4th, May 6th, July 1st, September 2nd, November 4th

19. **ADJOURNMENT**

A **MOTION** was made by Commissioner Branch and supported by Commissioner McMath to adjourn the meeting at approximately 10:34 a.m. **MOTION CARRIED.**

Construction Code Commission

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September 10, 2008

APPROVED:

A handwritten signature in black ink, appearing to be "Dale G. [unclear]", written over a horizontal line.

Chairman, Construction Code Commission

11/5/08

Date



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

CONSTRUCTION CODE COMMISSION
DEPARTMENT OF LABOR & ECONOMIC GROWTH
BUREAU OF CONSTRUCTION CODES
Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

AMENDED MINUTES

November 5, 2008
9:30 a.m.

MEMBERS PRESENT

Mr. William Benoit, Jr.
Mr. Robert DeBerardino
Mr. Roger Donaldson
Mr. William Donovan
Ms. Dawn Holtrop
Ms. Kelly Hunt
Mr. Robert Jagenberg
Mr. Kenneth Lawless
Mr. Sean O'Neil
Mr. Don Pratt
Mr. Edwin Tatem
Ms. Beth Yorke
Mr. Tony Sanfilippo

MEMBERS ABSENT

Mr. Duane Branch
Mr. Clifton Lewis
Mr. Nelson McMath
Mr. Amru Meah

DEPARTMENT OF LABOR & ECONOMIC GROWTH PERSONNEL ATTENDING

Mr. Irvin J. Poke, Director
Mrs. Beth Aben, Deputy Director
Mrs. Holly Velez, Secretary to Mr. Poke
Ms. Margie Hebden, Secretary to Mrs. Aben
Mr. David Vigas, Director, Office of Management Services
Mr. Scott Fisher, Director, Office of Local Government & Consumer Services
Mr. Larry Lehman, Chief, Building Division
Mr. Todd Cordill, Assistant Chief, Plan Review
Mr. Daniel O'Donnell, Chief, Electrical Division
Mr. Tennison Barry, Chief, Mechanical Division
Mr. Robert Konyndyk, Chief, Plumbing Division

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OTHERS IN ATTENDANCE

Lynn Briggs, Contractors Legislative Services

Lee Schwartz, Michigan Association of Home Builders

Chris Redmond, Redmond Engineering

Bert Gale, AGS

Brent Soler, Schier Products

Corey Roblee, International Code Council

1. CALL TO ORDER AND DETERMINATION OF QUORUM

Chairperson Pratt called the meeting to order at approximately 9:30 a.m. A quorum was determined present at that time.

2. APPROVAL OF AGENDA

A **MOTION** was made by Commissioner Benoit and supported by Commissioner Jagenberg to approve the amended agenda. **MOTION CARRIED.**

3. APPROVAL OF MINUTES

A **MOTION** was made by Commissioner Donovan and supported by Commissioner Benoit to approve the minutes of the September 10, 2008 meeting. **MOTION CARRIED.**

4. DIRECTOR'S REPORT

Commissioner Pratt welcomed our new Commissioner Roger Donaldson. Mr. Donaldson was appointed as Chair of the Barrier Free Design Board at their September 19, 2008 meeting. Welcome to the Commission Roger!

Mr. Poke offered congratulations to Commissioner Benoit for his appointment as President of the Code Officials Conference of Michigan at their fall conference in October. He also offered congratulations to the bureau's Senior Building Inspector, John Tisdale for his appointment as 1st Director. Congratulations to you both.

Mr. Poke offered congratulations to Commissioner Lawless and Clark Construction for recently being awarded the highest training award – The Cornerstone Award for Training Excellence by the Associated General Contractors of Michigan. Great job!

Mr. Poke commented on the dissolution of the injunction that was placed on the 2003 Michigan Uniform Energy Code effective October 24, 2008. Notice was sent to all registered officials that same day.

Mr. Poke did a radio interview with Glenn Haege from the Handyman Show regarding the Energy Code. We are developing FAQ's that will be placed on our website. The Michigan Home Builders will be holding a roundtable discussion on November 11, 2008.

On December 28, 2008 the Department will undergo a name change to the Department of Energy, Labor & Economic Growth. We also have a new Director, Stanley "Skip" Pruss who has replaced Director Keith Cooley who has accepted a position as CEO with NextEnergy.

Mr. Poke commented on the passing of the residential sprinkler provision at the final action hearings held in Minneapolis, MN in September.

Mr. Poke shared with the Commission that Holly Velez will be leaving the bureau in January to take a position as the Executive Assistant to Henry Green with the National Institute of the Bureau of Construction Codes. Mr. Poke shared what an excellent job she has done taking care of him in the same fashion as she did former Director Green.

5. REPORT OF RESCINDING ORDINANCE – Document 08-71

Mr. Scott Fisher presented a certified ordinance from City of Hillsdale/Hillsdale County rescinding their building ordinance and transferring the authority to the County of Hillsdale. It is the recommendation of staff that this ordinance be approved.

A **MOTION** was made by Commissioner Lawless and supported by Commissioner O'Neil to approve the ordinance. **MOTION CARRIED.**

6. APPLICATION FOR APPROVAL TO ADMINISTER AND ENFORCE

a) With Certified Ordinance – Document 08-64

Mr. Scott Fisher presented an application for approval to administer and enforce and certified ordinances from the City of Three Rivers/St. Joseph County (Michigan Plumbing Code).

A **MOTION** was made by Commissioner O'Neil and supported by Commissioner Benoit to accept the recommendation of staff to approve the applications and ordinances for approval to administer and enforce the above codes listed on Document 08-52. **MOTION CARRIED.**

7. PERFORMANCE EVALUATION REPORT

a) Benzie County - Document 08-69

Mr. Scott Fisher presented a performance evaluation report of Benzie County. It is the recommendation of staff to accept the report with the recommendations as outlined.

Following discussion by the Commission, a **MOTION** was made by Commissioner Donovan and supported by Commissioner Jagenberg to accept the recommendations of staff. **MOTION CARRIED.**

8. APPLICATIONS FOR PROGRAM APPROVAL – Document 08-65

Mr. Scott Fisher presented a list of continuing education program applications for approval. The programs were reviewed and found to be in compliance with the registration rules and it is the recommendation of staff that the programs be approved.

A **MOTION** was made by Commissioner Lawless and supported by Commissioner Donovan to approve the applications as submitted. **MOTION CARRIED.**

**9. APPLICATIONS FOR CONTINUING EDUCATION INSTRUCTOR APPROVAL
Document 08-66**

Mr. Scott Fisher presented a list of continuing education instructor applications for approval. Each has documented training and education in compliance with the registration rules, and it is the recommendation of staff that the instructors be approved.

A **MOTION** was made by Commissioner Donovan and supported by Commissioner O'Neil to approve the applications as submitted. **MOTION CARRIED.**

**10. APPLICATIONS FOR REGISTRATION OF CODE OFFICIALS
Document 08-67a-f**

Mr. Scott Fisher presented a list of applications for registration as building officials, building inspectors, plan reviewers, electrical inspectors, mechanical inspectors, and plumbing inspectors. It is the recommendation of staff that the individuals listed be approved.

A **MOTION** was made by Commissioner Benoit and supported by Commissioner Yorke to approve the applications with the exception of Mr. Cook noted on Documents 08-67 c & e be approved contingent upon final approval by the Board of Mechanical Rules. **MOTION CARRIED.**

11. INSPECTOR REGISTRATION APPEAL

- a) Mark B. Koppelo – Document 08-62

Mr. Scott Fisher presented information regarding Mr. Koppelo's appeal of the denial of his request for registration as a plan reviewer.

After discussion by Mr. Koppelo and the Commission a **MOTION** was made by Commissioner Benoit and supported by Commissioner Jagenberg to deny the applicants appeal based on the condition that he does not meet the requirements of the law. **MOTION CARRIED.**

12. PETITION FOR APPROVAL OF MATERIALS, PRODUCTS & METHODS (Plumbing)

Mr. Robert Konyndyk presented the following products for installation and use in the State of Michigan. It is the recommendation of staff that the following products be approved:

- a) **Penner Patient Care, Cascade Bath Systems, Premier, Model 360020-1P Document 08-70**
- b) **Schier Grease Interceptor – Document 08-73**

A **MOTION** was made by Commissioner Donovan and supported by Commissioner Lawless to approve these products for installation and use in the State of Michigan subject to the conditions of use and installation. **MOTION CARRIED.**

13. PUBLIC COMMENT

Mr. Lee Schwartz commented that even though the Home Builders were involved with the Energy Code Lawsuit, it is over and they look forward to working with the bureau for a smooth transition. He also congratulated Holly Velez on her new position and wished her well.

14. OLD BUSINESS

None.

15. NEW BUSINESS

Commissioner Benoit inquired when the bureau planned to start working on the 2009 Code Updates. Mr. Poke replied that we are waiting for the publication of the update documents from ICC. Divisions are looking ahead to start establishing the committees so

that work can commence as soon as the information is made available. Mr. Schwartz addressed the fact that there is concern that the 2006 edition of the code just went into effect in August and due to the changes in the licensing law requiring all builder licensees to have an updated copy of the code book. There is concern in the industry with having a code book for a year and a half and then forcing the licensees to purchase yet another code book, which he will be addressing down the road.

16. **2009 MEETING SCHEDULE** – January 9th, March 4th, May 6th, July 1st, September 2nd, November 4th

17. **ADJOURNMENT**

A **MOTION** was made by Commissioner Lawless and supported by Commissioner O'Neil to adjourn the meeting at approximately 10:05 a.m. **MOTION CARRIED.**

APPROVED:

Chairman, Construction Code Commission

Date




JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

December 16, 2008

DOCUMENT #09-01

TO: Members of the Construction Code Commission
FROM:  Beth Aben, Deputy Director
SUBJECT: Report of Assistance to Local Enforcing Agencies

Below is the municipal for which we have granted temporary assistance:

1. Wayne County
Building, Plumbing, Mechanical, and Electrical code plan review, permit and inspection services
Project: Richard J. Mazurek M.D. Medical Education Commons at Wayne State University (tenant space)
12/1/08 – until completion of project

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DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

DOCUMENT #09-02a

December 17, 2008

TO: Members of the Construction Code Commission

FROM: Scott D. Fisher, Director
Office of Local Government and Consumer Services

SUBJECT: Application for Approval to Administer and Enforce a Code

The following unit of government has submitted an application for approval to administer and enforce the Michigan codes, along with a proposed ordinance:

1. **M-08-18** **Gladwin County**
Michigan Mechanical Code
Proposed Ordinance
Inspector/Plan Reviewer: Richard Robinette (Registration Pending)
Previously state enforced
2. **P-08-21** **Gladwin County**
Michigan Plumbing Code
Proposed Ordinance
Inspector/Plan Reviewer: Richard Robinette (Registration Pending)
Previously state enforced

RECOMMENDATION: It is the recommendation of staff that the unit of government listed be approved to administer and enforce the codes in accordance with their application for approval, receipt of certified ordinance, and approval of Richard Robinette's application for provisional registration as MI, PI and PR pursuant to Document Nos. 09-05c, e & f.

SDF/jlp

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DIRECTOR

DOCUMENT #09-02b

December 12, 2008

TO: Members of the Construction Code Commission

FROM: Scott D. Fisher, Director
Office of Local Government and Consumer Services

SUBJECT: Application for Approval to Administer and Enforce a Code

The following unit of government has submitted an application for approval to administer and enforce the Michigan code, along with the appropriate ordinance:

1. P-08-16 **Summit Township/Jackson County**
Michigan Plumbing Code
Ordinance No. 154, Adopted 3/25/2008
Inspector/Plan Reviewer: Timothy Basore (Registration No. 004491)
Previously state enforced

RECOMMENDATION: It is the recommendation of staff that the unit of government listed be approved to administer and enforce the code in accordance with their application for approval, and certified ordinance.

SDF/jlp

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LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

January 9, 2009

DOCUMENT #09-15

TO: Members of the Construction Code Commission

FROM: Irvin J. Poke, AIA
Director, Bureau of Construction Codes

SUBJECT: City of Garden City/Wayne County
PE 08-051

Attached for your consideration is the performance evaluation report of the City of Garden City.

IJP/ms

Attachment

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Performance Evaluation Report

CITY OF GARDEN CITY WAYNE COUNTY

*Prepared for
State Construction Code Commission*

January 9, 2009

*Irvin J. Poke, Director
Bureau of Construction Codes*

Stanley "Skip" Pruss, Director
Department of Labor and Economic Growth

STATE OF MICHIGAN
DEPARTMENT OF LABOR AND ECONOMIC GROWTH
CITY OF GARDEN CITY PERFORMANCE EVALUATION REPORT

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STATE OF MICHIGAN
DEPARTMENT OF LABOR AND ECONOMIC GROWTH
REPORT ON THE PERFORMANCE EVALUATION OF THE
CITY OF GARDEN CITY

FOREWORD

On September 30, 2008, Bureau of Construction Codes (BCC) staff conducted a performance evaluation of the code administration and enforcement program within the City of Garden City/Wayne County.

The authority for this action is found in Section 9b(1) of the Stille-DeRossett-Hale Single State Construction Code Act, 1972 PA 230, MCL 125.1509b which states, in part, that:

"The director, as prescribed in this section, may conduct a performance evaluation of an enforcing agency to assure that the administration and enforcement of this act and the code is being done pursuant to either section 8a or 8b . . ."

A performance evaluation of local code enforcement may be conducted by the BCC when authorized by the State Construction Code Commission (SCCC) or at the request of a local enforcing agency. This performance evaluation was requested by the local enforcing agency, the City of Garden City.

The purpose of the evaluation was to determine the adequacy of the local code enforcement program within the City of Garden City. The evaluation consisted of an assessment of the administrative procedures, plan review functions, and field inspection procedures utilized by the City. The evaluation also included a review of randomly selected permit files and projects under construction.

This report contains a listing of the findings from the evaluation and recommendations for corrective action.

FINDINGS

In accordance with the provisions of Section 8b of the Stille-DeRossett-Hale Single State Construction Code Act, 1972 PA 230; MCL 125.1501 et seq, (hereinafter referred to as the "Act"), the City of Garden City, (hereinafter referred to as the "City"), in accordance with Section 8b(4) of the Act, submitted a notice of intent within the required time frame which declared its intent to continue to assume the responsibility for administering and enforcing the Michigan Building, Residential, Electrical, Mechanical and Plumbing Codes.

City representatives present and/or assisting in the evaluation were: Joseph Demichele, Building Official, Building Inspector, and Plan Reviewer (Registration No. 004786), Paul Vaughan, Building Inspector and Plan Reviewer (Registration No. 005317), William Roberts, Building Official, Building Inspector, Electrical Inspector and Plan Reviewer (Registration No. 005159), Robert McCraight, Mechanical Inspector and Plan Reviewer (Registration No. 004408), and Calvin Moss, Plumbing Inspector and Plan Reviewer (Registration No. 004792). Jeanine Hamann and Marcelle Bolton are the City's Building Department Clerks. Both provide administrative support for the City's Building Department and are full time City employees. All inspection staff utilized by the City is registered in accordance with law. The City's Building Department, located within the City Hall building maintains regular weekday office hours of 8:30 a.m. to 5:00 p.m. Mr. Dimichele is a full time City employee, and functions as the City's Building Official, Building Inspector, and Plan Reviewer. All other inspectors are employed on a part time basis by the City as well as providing inspection services for other municipalities. They are compensated on an hourly basis and receive a mileage allowance from the City.

The BCC Director identified deficiencies in the manner in which codes are administered and enforced. The following list provides information on areas of concern.

1. During the evaluation it was discovered that the City maintains a master permit file recordkeeping system that identifies projects by street name and address. However, documentation relating to permit application forms, permits and inspection reports, plan review reports, inspector notes, and Certificates of Occupancy were not consistently maintained within the City's files. The City shall develop, consistently utilize, and maintain a written set of proper building department record keeping procedures that comply with the Act, and the codes being enforced within the City.

2. During the evaluation the City indicated that plan reviews for projects valued at or in excess of \$100,000 are performed by the International Code Council. The City also indicated that plan reviews are performed on all projects regardless of valuation. However, a review of random permit files revealed that records of plan review approval and/or denial letters were not being consistently provided to applicants and that code sections were not cited when violations were identified.

Section R106.3 of the code requires:

"The building official shall examine or cause to be examined construction documents for code compliance."

3. Based upon a review of the documentation maintained within the building department, it was noted that code sections are not consistently being cited upon the City's disapproval stickers, plan review reports and inspection reports.

Section R113.2 of the code states, in part that:

"The building official is authorized to serve a notice of violation or order on the person responsible...of a building or structure in violation of the provisions of this code..."

4. During a review of the documentation provided during the evaluation, it was discovered that the City did not utilize building and trade permit application forms that are approved for use by the Commission.

Section 10 (1) of the Act states in part:

“The application shall be on a form prescribed by the commission...”

The City shall develop, and consistently utilize, building and trade permit application forms prescribed for use by the Commission and shall maintain the forms within the corresponding master permit files.

5. During the evaluation, it was discovered that the City does not have a Construction Board of Appeals as required by Section 14 of the Act. Section 14 (1) of the Act states, in part, that:

“A construction board of appeals for each governmental subdivision enforcing the code shall be created consisting of not less than 3 nor more than 7 members, as determined by the governing body of the governmental subdivision. Unless otherwise provided by local law or ordinance, the members of the board shall be appointed for 2 year terms...A member of the board of appeals shall be qualified by experience or training to perform the duties of members of the board of appeals...”

6. A review of random permit files conducted during the evaluation revealed that the use group classification and type of construction for a project were not included upon the City's building permit forms and Certificates of Occupancy.

Section R110.3 (4) of the code requires:

“A description of that portion of the structure for which the certificate is issued.”

RECOMMENDATIONS

Based on the findings of this performance evaluation, the BCC Director concludes the following changes are needed in the administration and enforcement of construction codes within the City of Garden City to ensure compliance with all applicable statutes and to ensure that construction within the City is safe.

1. The City shall establish and maintain proper building department record keeping procedures. Permit files shall contain information relating to all permit applications, permits, plans, if small enough, inspection reports, plan review approval and denial letters and reports, copies of violation and correction notices, the certificate of occupancy, and any other information related to construction at an address. The file is to be placed in the active file alphabetically by street name and numerically by address. When the project is complete, the permit file may be moved to the inactive files set up in the same manner. Files shall be retained in the official records for the period required for the retention of public records. The City shall provide a report detailing the establishment and utilization of a master permit file record keeping system to the Bureau within 60 days of approval of this report.

2. The City shall require plans of sufficient clarity to accompany all applications for building permits, except for those minor in nature, and shall develop and consistently utilize plan review procedures to determine compliance with the codes prior to the issuance of permits. The City shall perform plan reviews as required by the code and shall maintain copies of the plan review reports, including approval and denial letters to applicants with code sections cited, in the project file. The City shall review plans during inspections to verify construction is being performed in accordance with approved plans and the code. If construction deviates from the plans, approval must be obtained from the building inspector. The City shall develop and

maintain proper plan review procedures and plan review record keeping procedures and shall provide the Bureau with a copy of the procedures within 60 days of approval of this report.

3. The City shall develop and maintain a written set of inspection procedures that direct the City's Inspectors to consistently cite code section numbers on notice of violation forms and to consistently maintain a copy of the forms within the corresponding master permit files. The City shall provide the Bureau with a copy of its revised inspection procedures within 60 days of approval of this report.

4. The City shall utilize building permit and trade permit application forms that contain the language prescribed by the Commission and complies with law, and shall provide copies of its revised building and trade permit application forms to the Bureau within 60 days of approval of this report.

5. The City shall establish and maintain a Construction Board of Appeals staffed with individuals qualified by experience or training and shall develop procedures for processing and hearing appeals related to code decisions rendered by the City's inspectors in accordance with Section 14 of the Act. The City shall provide a written set of procedures governing its Construction Board of Appeals and shall provide the names and qualifications of the members of its board of appeals to the Bureau within 60 days of approval of this report.

6. The City shall revise its building permit and Certificate of Occupancy forms to consistently include identification of a project's use group classification and type of construction on the forms. The City shall provide a copy of its revised building permit form and Certificate of Occupancy form, and a copy of its written procedure outlining the requirement for the identification of the project's use group classification and type of construction upon the permits and certificates to the Bureau within 60 days of approval of this report.

7. The City shall comply with recommendations 1, 2, 3, 4, 5 and 6 within 60 days of approval of this report (and shall provide a report to the State Construction Code Commission regarding the progress in complying with all remaining recommendations, or alternatively provide the reasons for not implementing the recommendations, within 120 days of acceptance of this report by the Construction Code Commission). It is recommended that a re-evaluation of the City's construction code administration and enforcement program be conducted within 3-6 months after the deadline to verify that the recommendations contained within this report have been implemented.

Irvin J. Poke, AIA
Director,
Bureau of Construction Codes

Date

The City is advised that, pursuant to Section 9b of the Act, failure to comply with the recommendations may result in the issuance of a Notice of Intent to Withdraw Code Administration and Enforcement Responsibilities from the City.



JENNIFER M. GRANHOLM
GOVERNOR

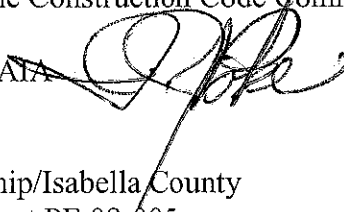
STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

December 17, 2008

DOCUMENT #09-09

TO: Members of the Construction Code Commission

FROM: Irvin J. Poke, AIA
Director 

SUBJECT: Union Township/Isabella County
Summary Report PE 08-005

Attached is a summary report of the performance evaluation of Union Township/Isabella County.

The information provided in the summary report reveals that the Township has responded satisfactorily to each of the recommendations enumerated in the performance evaluation report.

Recommendation: Based on the attached summary report, it is the recommendation of staff to close the performance evaluation report.

IJP/ms

Attachment

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The performance evaluation for Union Township was conducted on January 10, 2008, and a re-evaluation of the Township's code enforcement program was conducted on December 16, 2008.

The following summary report provides the recommendations from the performance evaluation report submitted to the Commission, the Township's response to the recommendations, and the Bureau's analysis of the Township's response.

1. **Recommendation**

The Township shall provide a report detailing the establishment and utilization of a master project file record keeping system to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided its written report. During the reevaluation it was confirmed that the Township has established and is utilizing a master project file recordkeeping system as recommended. Therefore, it has been verified that the Township has complied with Recommendation No. 1.

2. **Recommendation**

The Township shall provide a copy of its revised building permit form and Certificate of Occupancy form, and a copy of its written procedure outlining the requirement for the identification of a project's use group classification and type of construction upon the permits and certificates to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided the Bureau with the revised forms and its written procedure. During the reevaluation it was confirmed that the Township is consistently utilizing the procedure and the forms as recommended. Therefore, it has been verified that the Township has complied with Recommendation No. 2.

3. **Recommendation**

The Township shall develop and maintain a written set of inspection procedures that direct the Township inspector to consistently cite code section numbers on notice of violation forms and plan review reports and to consistently maintain a copy of the forms within the corresponding master permit files. The Township shall provide the Bureau with a copy of its revised inspection procedures to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided a written set of inspection procedures and plan review record-keeping procedures to the Bureau, as recommended. Additionally, during the reevaluation, it was confirmed that the Township is utilizing the procedures and is maintaining the notice of violation forms and plan review reports within respective master permit files. Therefore, it has been verified that the Township has complied with Recommendation No. 3.

4. **Recommendation**

The Township shall develop and utilize a building permit application form that contains the language prescribed by the Commission and complies with law, and shall provide a copy of its revised building permit application form to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided the Bureau with a copy of its revised building permit application form. During the reevaluation, it was confirmed that the Township is consistently utilizing the proper form. Therefore, it has been verified that the Township has complied with Recommendation No. 4.

5. **Recommendation**

The Township shall provide a written set of procedures governing its Construction Board of Appeals and shall provide the names and qualifications of the members of its board of appeals to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided the Bureau with a written set of procedures to govern its Construction Board of Appeals and has provided the names and qualifications of the members of its board of appeals as recommended. Therefore, it has been verified that the Township has complied with recommendation No. 5.

6. **Recommendation**

The Township shall provide a copy of its inspection report form and code violation notice form to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided the Bureau with a copy of its inspection report form and code violation notice to the Bureau as recommended. Additionally, during the reevaluation, it was confirmed that the Township is consistently utilizing the forms.

Therefore, it has been verified that the Township has complied with Recommendation No. 6.

7. Recommendation

The Township shall include a copy of each trade permit issued by Isabella County on projects being constructed under a Township-issued building permit within the corresponding master project file being maintained by the Township. The Township shall develop a written procedure addressing this recommendation and shall provide a copy of the procedure to the Bureau within 60 days of approval of this report.

Response/Analysis

The Township has provided the Bureau with a written procedure as recommended. During the reevaluation, it was confirmed that the Township is utilizing the procedure and copies of the permits issued by the County are being maintained within the corresponding master project files. Therefore, it has been verified that the Township has complied with Recommendation No. 7.

IJP/ms



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

DOCUMENT #09-03

December 12, 2008

TO: Members of the Construction Code Commission

FROM: Scott D. Fisher, Director
Office of Local Government and Consumer Services

SUBJECT: Continuing Education Program Applicants

The programs listed on the attached pages are those for which approval has been requested by providers or sponsors of continuing education programs required of building officials, inspectors, and plan reviewers to renew their registrations. Document #09-03 is a list of programs that have been submitted for approval for the cycle beginning September 17, 2006 through September 16, 2009.

Each provider has documented appropriate content in relation to one or more of the continuing education categories and registrant classifications set forth in the administrative rules promulgated pursuant to 1986 PA 54.

It is the recommendation of Bureau staff that the programs submitted pursuant to the provisions of Act 54 be approved by the Commission.

SDF/kld

Attachments

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Explanatory notes to accompany BCC 2008 Approved Continuing Education Program List:

DOCUMENT #09-03

* Registrants holding one or more Inspector classification are required to attend Technical and Specialty training to be eligible for reregistration at the end of the present code cycle. If that is successfully accomplished, there are no additional Technical or Specialty credits necessary to also become eligible for reregistration as either a Building Official and/or Plan Reviewer. A person who is registered **only** as a Building Official and/or Plan Reviewer **without any Inspector classification** will receive the listed Technical and/or Specialty credit towards reregistration qualification for attending this program.

Specialty approvals are granted for one of the four Inspector (trade) classifications. Inspectors receive credits only for attending programs associated with their trade; a Mechanical Inspector does not satisfy those requirements by attending a Building, Electrical or Plumbing program. Someone registered **only** as a Building Official and/or Plan Reviewer **without any Inspector classification** will receive credit for all Specialty programs attended, regardless of the trade(s).

Technical approvals are granted for programs addressing a specific code. Inspectors receive Technical credit only for programs addressing the code they enforce. Someone registered **only** as a Building Official and/or Plan Reviewer without any Inspector classification will receive credit for all Technical programs **in their cycle** which they attended, regardless of the trade.

** Programs approved for Plan Review credits satisfy unique requirements placed on Plan Reviewer registrants. Even though the title of an individual program may refer to a specific trade or code, all Plan Review program credits apply to any Plan Reviewer.

**** Credit for documented participation in/attendance at formal code change hearings conducted and reported by a nationally recognized code-promulgating organization will be recognized when the subject is a code enforced by the registrant. Credit is granted in one-hour increments and is divided between Technical and Specialty. The first hour is Technical, the second Specialty, the third Technical, the fourth Specialty, etc. Seven hours would be credited as four Technical and three Specialty, for example.

ISC =Independent Study Course

I = Internet Course

CR = Classroom

Department of Labor and Economic Growth-Bureau of Construction Codes-2006/2009 Inspector Continuing Education Programs

Program Number	Credit Hours				Contact	Organization	Phone	Title
	Admin	Comm	Spec	Tech	PR	Classification		
14435			2	2		EI*	Dean M. Austin	DLEG, BCC, Electrical Division
14436				15		EI*	Roland J. Fischer	
14437	1			1		MI* ALL (Admin Only)	Jerry Payne	WMMIA
14438			1			EI*	Ken Davis	
14439			1			EI*	Ken Davis	
14440			2		2	EI*, PR**	George H. Little	IAEI-Michigan Chapter
14441			2		2	EI*, PR**	George H. Little	IAEI-Michigan Chapter
14442			2			EI*	George H. Little	IAEI-Michigan Chapter
14443			1			EI*	George H. Little	IAEI-Michigan Chapter
14444		2				ALL	Tom S. Dorsey	
14445			3			MI*	Vernon Pappas	SEMMIA
14446	1	1				ALL	Mark Riley	MMIA
14447			2			PI*	Warren M. Wisner	SEMPIA
14448				4		BI*	Tim Mrowzowski	Michigan State University
14449		2				ALL	David E. Shaffer	
14450		6				BI*	Kimberly Riley	International Code Council
14451				4		BI*	Renee McDonough	Michigan Code Consultants, LLC
							(517) 241-9320	Health Care Facilities
							(989) 980-3857	2005 NEC Update Correspondence Course for Electrical Inspectors
							(616) 836-2412	2006 MMC, Chapter 1-Administration
							(616) 560-0804	Grounded Systems
							(616) 560-0804	Installing Services
							(248) 933-1139	Article 250, Grounding & Bonding-Part I (One Time Only)
							(248) 933-1139	Article 250, Grounding & Bonding-Part II (One Time Only)
							(248) 933-1139	Code Panel-12/05/2008 (One Time Only)
							(248) 933-1139	Critical Operations Power Systems (One Time Only)
							(865) 675-3910	Communications for the Inspector
							(248) 343-8830	2006 Michigan Residential Code Changes
							(248) 649-5443	ICC Building Officials Guide to Write Violations
							(734) 475-2425	Water Supply Distribution / Sanitary Drainage
							(517) 353-7956	Michigan Energy Codes and Standards Implementation and Training
							(321) 266-8162	Communication
							(888) 422-7233	2006 IBC Wood Framing
							(586) 219-9942	Updates to the Michigan Building Code-2006

Department of Labor and Economic Growth-Bureau of Construction Codes-2006/2009 Inspector Continuing Education Programs

14452						4	BI*	Renee McDonough	Michigan Code Consultants, LLC	(586) 219-9942	Updates to the Michigan Residential Code-2006
14453						2	PI*	Joseph T. Madziar	DELEG, BCC, Plumbing Division	(517) 241-9330	Tankless Water Heaters-Sizing
14454						1	PI*	Joseph T. Madziar	DELEG, BCC, Plumbing Division	(517) 241-9330	Cast Iron Soil Pipe Standards and Related Products
14455						4	PI*	Robert G. Konyndyk	DELEG, BCC, Plumbing Division	(517) 241-9330	Significant Code Language Affecting Technical Code Issues
14456					2		ALL	Pam Braatz	DLEG, BCC, OMS	(517) 241-9345	Accela and Mtrack Update
14457					1		BI*	David T. Coverdill	Sto Corp	(586) 292-2081	Enhanced EIF Systems
14458					1		BI*	David T. Coverdill	Sto Corp	(586) 292-2081	Fluid Applied Air/Moisture Barrier
14459					1		BI*	David T. Coverdill	Sto Corp	(586) 292-2081	EIFS: Codes and Testing
14460						2	MI*	James R. Schifiliti	Fire Safety Consultants, Inc.	(847) 697-1300	The Most Common Mistakes Made on Plan Reviews and Inspections (One Time Only)
14461						15	EI*	Marvin J. Rysztak		(586) 949-6008	15 Hour-2005 National Electrical Code Update Course
14462					1		EI*	George H. Little	IAEL-Michigan Chapter	(248) 933-1139	The Value of Electrical Installation Standards (One Time Only)
14463					2		MI*, PI*	Milton W. Andrews	SEMMIA	(734) 424-9507	Nobody Likes A Cold Shower, Or How the HWH Changed the Odor of America
14464					6		PI*, PR**	Robert G. Konyndyk	DLEG, BCC, Plumbing Division	(517) 241-9330	Inspection and Construction Techniques Related to Examination Development for BCC (One Time Only)
14465					1		BI*	Kathy Ashcom	Dietrich Metal Framing	(724) 459-1429	Code Compliance Issues Facing the Steel Stud Industry
14466					2		EI*	Daniel P. O'Donnell	DLEG, BCC, Electrical Division	(517) 241-9320	Michigan Electrical Code and Laws
14467					2	2	EI*	Daniel P. O'Donnell	DLEG, BCC, Electrical Division	(517) 241-9320	Understanding Grounding & Bonding
14468					2		BI*, PR**	Robert DeVries	Nu Wool Company	(616) 669-0100	Understanding the MUEC 2003
14469					7		BI*, EI*, MI*	Renee McDonough	Michigan Code Consultants, LLC	(586) 574-0216	Inspecting Fire-Resistance-Rated Construction



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

DOCUMENT #09-04

December 12, 2008

TO: Members of the Construction Code Commission

FROM: Scott D. Fisher, Director
Office of Local Government and Consumer Services

SUBJECT: Continuing Education Instructor Applications

Attached is a list of those individuals who have applied for approval as instructors of continuing education programs required of building officials, inspectors, and plan reviewers. The instructors listed are approved for the cycle beginning September 17, 2006 through September 16, 2009.

Each has documented training and experience in the topic which they propose to teach.

It is the recommendation of Bureau staff that they be approved as instructors by the Commission.

SDF/kld

Attachments

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Department of Labor and Economic Growth-Bureau of Construction Codes-2006/2009 New Instructors

Instructor

Number	Last Name	First Name	MI	Affiliation/Experience
1820	Fischer	Roland	J	
1821	Anthony	Michael	A	IAEI-Michigan Chapter
1822	Axel	Roger		ICC
1823	Walker	Gloria	S	DRACO
1824	Madziar	Joseph	T	DELEG, BCC, Plumbing Division
1825	Rysztak	Marvin	J	
1826	Graham	Michael	J	Dietrich Metal Framing
1827	Reed	Ryan	J	Dietrich Metal Framing
1828	Kerner	Michael	C	Dietrich Metal Framing
1829	DeVries	Robert	B	Nu Wool Company
1830	Deal	Alan	H	Performance Engineering Group, Inc.
1831	Getting	James	P	MIOSHA

Department of Labor and Economic Growth-Bureau of Construction Codes-2006/2009 Renewal Instructors

Instructor Number	Last Name	First Name	MI	Affiliation/Experience
687	Shaffer	David	E	
1167	Braatz	Pam		DLEG/BCC/OMS
1169	Coverdill	David	T	Sto Corp



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

Document #09-05a-f

December 17, 2008

TO: Members of the Construction Code Commission

FROM: Scott D. Fisher, Director
Office of Local Government and Consumer Services

SUBJECT: Inspector Registration Applicants

Attached you will find lists of applicants for provisional registration as building officials, building inspectors, plan reviewers, electrical inspectors and mechanical inspectors. Document #09-05a, b, and c, are lists of applicants for provisional registration as building officials, building inspectors, and plan reviewers. Document #09-05d is a list of applicants for provisional registration as electrical inspectors presented to the Electrical Administrative Board on December 5, 2008. Document #09-05e is a list of applicants for provisional registration as mechanical inspectors presented to the Board of Mechanical Rules on November 12, 2008. Document #09-05f is a list of applicants for provisional registration as plumbing inspectors presented to the State Plumbing Board on December 16, 2008.

SDF/jlp

Attachments

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01/09/09 ccc

BUILDING OFFICIALS

DUHONICH, Kevin B.
Registered as Building Inspector/Plan Reviewer #004596 (11/2000)
Additional Building Official
City of Royal Oak – Oakland County

Ream, Jeffrey T.
Registered as Building Inspector/Plan Reviewer #005117 (6/2004)
Additional Building Official
Muskegon Charter Township – Muskegon County

BUILDING INSPECTORS

01/09/09 ccc

BADER, David E.
Residential Builder's License #2101167388 (6/2003)
8,722+ hours as Carpenter
Replacing John T. Healy (Registration #003289)
City of Ludington – Mason County

FLYNN, Timothy J.
Residential Builder's License #2101133719 (7/1996)
27,456+ hours as Carpenter
Replacing Diane V. Lange (Registration #001586)
City of Belding – Ionia County

WILLMAN, Philip J.
Residential Builder's License #2101182041 (8/2006)
16,740+ hours as Carpenter
Additional Inspector
Bruce Township – Macomb County

PLAN REVIEWERS

01/09/09 ccc

BADER, David E.
Residential Builder's License #2101167388 (6/2003)
8,722+ hours as Carpenter
Replacing John T. Healy (Registration #003289)
City of Ludington – Mason County

CAMPBELL, Steven R.
Master Electrical License #6213058 (4/2003)
Replacing Don Strohpaul (Registration #003124)
Newaygo County

FLYNN, Timothy J.
Residential Builder's License #2101133719 (7/1996)
27,456+ hours as Carpenter
Replacing Diane V. Lange (Registration #001586)
City of Belding – Ionia County

GOMEZ, Theodore P.
Master Electrical License #6209922 (1/2001)
Additional Plan Reviewer
Clare County

JACOBS, Colt L.
Master Electrical License #6214218 (9/2005)
Additional Plan Reviewer
Montcalm County

KENI, Jerrod N.
Master Plumbing License #8111440 (8/2004)
Mechanical Contractor's License #7113584 (4/2001)
Classifications 1 & 2
8,000+ hours HVAC
Replacing Michael A. Grimes (Registration #003204)
Marquette County

MARIHUGH, Jonathan
Master Electrical License #6213547 (4/2004)
Additional Plan Reviewer
State of Michigan

ORMSBY, Jeffrey R.
Master Electrical License #6214145 (7/2005)
Additional Plan Reviewer
York Township – Washtenaw County

ROBINETTE, Richard G.
Master Plumbing License #8106856 (1976)
Mechanical Contractor's License #7104629 (1/1985)
Classifications 1, 2, 3, 4, 6, & 8
8,000+ hours HVAC
Additional Plan Reviewer
Gladwin County

RUBENSTIEN, Louis W.
Master Electrical License #6211795 (1/2002)
Additional Plan Reviewer
Huntington Woods – Oakland County

THURKETTLE, David A.
Journey Electrical License #6317964 (8/1996)
Additional Inspector
Allendale Township – Ottawa County

TIWARI, Anjali
Registered as Building Inspector #005571 (9/2008)
Additional Plan Reviewer
City of Detroit – Wayne County

WILLMAN, Philip J.
Residential Builder's License #2101182041 (8/2006)
16,740+ hours as Carpenter
Additional Plan Reviewer
Bruce Township – Macomb County

ELECTRICAL INSPECTORS

12/05/08 eab

01/09/09 ccc

CAMPBELL, Steven R.
Master License #6213058 (4/2003)
Replacing Don Strohpaal (Registration #003124)
Newaygo County

GOMEZ, Theodore P.
Master License #6209922 (1/2001)
Additional Inspector
Clare County

JACOBS, Colt L.
Master License #6214218 (9/2005)
Additional Inspector
Montcalm County

MARIHUGH, Jonathan
Master License #6213547 (4/2004)
Additional Inspector
State of Michigan

ORMSBY, Jeffrey R.
Master License #6214145 (7/2005)
Additional Inspector
York Township – Washtenaw County

RUBENSTIEN, Louis W.
Master License #6211795 (1/2002)
Additional Inspector
Huntington Woods – Oakland County

THURKETTLE, David A.
Journey License #6317964 (8/1996)
Additional Inspector
Allendale Township – Ottawa County

WICKLUND, Corey J.
Master License #6212988 (1/2003)
Additional Inspector
State of Michigan

MECHANICAL INSPECTORS

11/12/08 bmr

01/09/09 ccc

KENI, Jerrod N.
Contractor's License #7113584 (4/2001)
Classifications 1 & 2
8,000+ hours HVAC
Replacing Michael A. Grimes (Registration #003204)
Marquette County

ROBINETTE, Richard G.
Contractor's License #7104629 (1/1985)
Classifications 1, 2, 3, 4, 6, & 8
8,000+ hours HVAC
Additional Inspector
Gladwin County

SHERBURN, Rock L.
Contractor's License #7114117 (8/2002)
Classifications 3, 5, 7, & E
8,000+ hours HVAC
Additional Inspector
Antwerp Township – Van Buren County

TEAL, Jr., Richard J.
8,000+ hours HVAC
Additional Inspector
State of Michigan

Document #09-05f

PLUMBING INSPECTORS

**12/16/08 spb
01/09/09 ccc**

ROBINETTE, Richard G.
Master License #8106856 (1976)
Additional Inspector
Gladwin County



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

December 2, 2008

Document #09-06

TO: Members of the Construction Code Commission
FROM: Tennison B. Barry, Chief, Mechanical Division *TBB*
SUBJECT: Approval of flexible gas piping with black protective sleeve.

APPLICANT:

OmegaFlex, Inc.
451 Creamery Way
Exton, PA 29341-2509

AUTHORITY:

Section 21 of 1972 PA 230, MCL 125.1521.

PRODUCT:

CounterStrike/TracPipe

APPLICATION:

This product requires no additional bonding requirements for CounterStrike date coded 0731 and higher imposed by the manufacturer's installation instructions. Improved CounterStrike is to be bonded in accordance with the National Fuel Gas Code and the National Electrical Code NFPA 70 Article 250.104.

LABORATORY TESTS:

CSA International

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CONDITIONS OF USE AND INSTALLATION:

1. Must be installed to the Michigan Mechanical Code.
2. Must be installed to the International Fuel Gas Code.

RECOMMENDATION:

The Board of Mechanical Rules recommends the product to the Commission for approval at their January 9, 2009 meeting.

TBB/cct

RECEIVED

AUG 06 2008

Petition Application for Approval of Material, Product or Method

Michigan Department of Labor & Economic Growth

Bureau of Construction Codes

P.O. Box 30255, Lansing, MI 48909

www.michigan.gov/bcc

Tran Info:130 14207704-1 08/06/08

Chk#: 170074 Amt: \$500.00

ID: OMEGAFLEX INC

Agency Use Only

Application Fee: \$500.00

Authority: 1972 PA 230
Completion: Mandatory
Penalty: Use of material, product or method will not be approved

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PRODUCT INFORMATION

NATURE OF APPLICATION

☒ Material ☐ Product ☐ Method of Manufacture or Construction ☐ Component

CODE UNDER WHICH APPROVAL IS SOUGHT

☐ Building (140) ☐ Electrical (115) ☒ Mechanical (130) ☐ Plumbing (98)

NAME OF MATERIAL, PRODUCT OR METHOD OF MANUFACTURE (Limit To One Item Per Application)

TracPipe® CounterStrike®

OTHER IDENTIFICATION (Model Number)

FGP-CS-Size

DESCRIPTION (Use Additional Sheets If Necessary)

See Attached

INTENDED USE (Use Additional Sheets If Necessary)

Interior Fuel Gas piping Systems as referenced in IFGC 2006: 403.5.4 / NFPA 54 2006: 5.6.3.4

DATA SUBMITTED

<input type="checkbox"/> Letter	Reports	<input checked="" type="checkbox"/> Product Sample or Model
<input checked="" type="checkbox"/> Manual	<input type="checkbox"/> ICC - NES	<input type="checkbox"/> Prior Approvals by Other Agencies
<input type="checkbox"/> Standards	<input type="checkbox"/> BOCA - NES	<input type="checkbox"/> Recommendations by Model Code Bodies
<input checked="" type="checkbox"/> Installation Instructions	<input type="checkbox"/> ICBO	
<input checked="" type="checkbox"/> Display Catalog	<input type="checkbox"/> SBCC	
	<input type="checkbox"/> NRB	
	<input checked="" type="checkbox"/> Other	

LABORATORY TEST BY

CSA International

PILOT SERVICE EXPERIENCE AND CONDITIONS (Use Additional Sheets If Necessary)

RESTRICTIONS FOR USE (Use Additional Sheets If Necessary)

APPLICANT (Note: All correspondence will be sent to this address)

NAME OF COMPANY

OmegaFlex

APPLICANT NAME

Art Weirauch

ADDRESS

451 Creamery Way

CITY	STATE	ZIP CODE	TELEPHONE NUMBER (include Area Code)
Exton	PA	19341	(610) 524-7272

APPLICANT SIGNATURE (Must be an original signature)

DATE

FAX NUMBER (include Area Code)

(610) 524-9771

Description:

*CounterStrike® CSST with the black, protective sleeve uses the same, easy to install, **AutoFlare®** fittings as conventional TracPipe® with the yellow jacket. CounterStrike® systems are sized in the same manner as TracPipe® either using Capacity Tables or other approved methods.*

There are no additional bonding requirements for CounterStrike date coded 0731 and higher imposed by the manufacturer's installation instructions. Improved Counterstrike is to be bonded in accordance with the National Fuel Gas Code NFPA 70 Article 250.104, the National Fuel Gas Code NFPA 54, and with any local requirements which may be in excess of the national codes.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

DATE: September 4, 2008 M-08-19
TO: Board of Mechanical Rules
FROM: Tennison B. Barry, Chief, Mechanical Division
SUBJECT: Approval of Product

The items listed below have been reviewed by Mechanical Division staff.

The manufacturers, the products, and the recommendations of the Mechanical Division for approval or disapproval of the items for installation in the State of Michigan are as follows:

Manufacture:- Omega Flex
Product: Counter Strike
Description: Flexible gas piping with the black protective sleeve. This product requires no additional bonding requirements for Counterstrike date coded 0731 and higher imposed by the manufacturer's installation instructions. Improved Counterstrike is to be bonded in accordance with the National Fuel Gas Code and the National Electrical Code NFPA 70 Article 250.104.
Test Results: CSA International
Recommendation: Approval recommended for installation in the State of Michigan for the following reason(s).
1. Must be installed to the Michigan Mechanical Code.
2. Must be installed to the International Fuel Gas code

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STATE OF MICHIGAN

JENNIFER M. GRANHOLM
GOVERNOR

DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

December 2, 2008

Document #09-07

TO: Members of the Construction Code Commission
FROM: Tennison B. Barry, Chief, Mechanical Division *TBB*
SUBJECT: Approval of Cooktek induction cooktop, Mosshaim infrared cooktop and
Bon Chef Pot.

APPLICANT:

The Melting Pot Restaurants, Inc.
8810 Twin Lakes Blvd.
Tampa, FL 33614

AUTHORITY:

Section 21 of 1972 PA 230, MCL 125.1521.

PRODUCT:

Cooktek induction cooktop model MPD 1000, Mosshaim infrared cooktop model
CVM-51100B and Bon Chef Pot.

APPLICATION:

Fondue cooking process at restaurants operated in Michigan by local franchisees of
The Melting Pot Restaurants, Inc.

LABORATORY TESTS:

Underwriters Laboratory, Pace Analytical Services

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CONDITIONS OF USE AND INSTALLATION:

1. The additional heat and moisture loads generated by such appliances shall be accounted for in the design of the HVAC system.
2. For the purpose of determining the floor area required to be ventilated, each individual appliance that is not required to be installed under a hood shall be considered as occupying not less than 100 square feet for determination of ventilation capacity, inclusive of ventilation capacity required prior to consideration of unhooded appliances.

RECOMMENDATION:

The Board of Mechanical Rules recommends the product to the Commission for approval in the State of Michigan without a hood under the aforementioned conditions at their January 9, 2009 meeting.

TBB/cct

Petition Application for Approval of Material, Product or Method
Michigan Department of Labor & Economic Growth
Bureau of Construction Codes
P.O. Box 30255, Lansing, MI 48909
www.michigan.gov/bcc

Agency Use Only

Application Fee: \$500.00

Authority: 1972 PA 230
Completion: Mandatory
Penalty: Use of material, product or method will not be approved

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PRODUCT INFORMATION

NATURE OF APPLICATION

☐ Material ☒ Product ☐ Method of Manufacture or Construction ☐ Component

CODE UNDER WHICH APPROVAL IS SOUGHT

☐ Building (140) ☐ Electrical (115) ☒ Mechanical (130) ☐ Plumbing (98)

NAME OF MATERIAL, PRODUCT OR METHOD OF MANUFACTURE (Limit To One Item Per Application)

Fondue Cooking Process at restaurants operated in Michigan by local franchisees of The Melting Pot Restaurants, Inc.

OTHER IDENTIFICATION (Model Number)

Cooktek induction cooktop model MPD 1000, Mosshaim infrared cooktop model CVM-51100B, and Bon Chef pot.

DESCRIPTION (Use Additional Sheets If Necessary)

See attached supplementary pages.

INTENDED USE (Use Additional Sheets If Necessary)

See attached supplementary pages.

DATA SUBMITTED

☒ Letter ☐ Manual ☒ Standards ☐ Installation Instructions ☐ Display Catalog

Reports
☐ ICC - NES
☐ BOCA - NES
☐ ICBO
☐ SBCC
☐ NRB
☒ Other

☐ Product Sample or Model
☐ Prior Approvals by Other Agencies
☐ Recommendations by Model Code Bodies

LABORATORY TEST BY

Underwriters Laboratory - see attached letter report of 9/15/08. Earlier report by Pace Analytical Services also attached.

PILOT SERVICE EXPERIENCE AND CONDITIONS (Use Additional Sheets If Necessary)

See attached supplementary pages.

RESTRICTIONS FOR USE (Use Additional Sheets If Necessary)

Cooking and heating processes to be operated in accordance with proprietary Operating Manual of The Melting Pot Restaurants, Inc.

APPLICANT (Note: All correspondence will be sent to this address)

NAME OF COMPANY

The Melting Pot Restaurants, Inc.

APPLICANT NAME

Jay Walden

ADDRESS

8810 Twin Lakes Blvd.

CITY Tampa STATE Florida ZIP CODE 33614 TELEPHONE NUMBER (Include Area Code) (813) 425-6220

APPLICANT SIGNATURE (Must be an original signature)

DATE

10/03/08

FAX NUMBER (Include Area Code)

(813) 367-0081

Product Approval Application for Michigan

Responses and other information to complete the application form submitted by:

The Melting Pot Restaurants, Inc.

Description:

Electric induction or infrared cooktops are permanently installed into dining room tables to provide a unique dining experience by "fondue" heating and cooking. Customers experience a multi-course meal, which typically includes dipping various small items of food into cheese, oil or broth, and chocolate, with an intervening salad course during which the cooktop is turned off by the respective server and there is no heating or cooking. Throughout the dining experience, cooktops are controlled only by servers.

Intended Use:

Fondue heating and cooking should be allowed in Melting Pot restaurants without requiring either Type I or Type II hoods, based on acceptable levels of emissions, ventilation air that meets other code requirements, and sufficient HVAC heating and cooling (including condensing) capacity.

Type I hoods are required by the Michigan Mechanical Code (MMC) in paragraph 507.2.1, for cooking processes that produce grease and smoke, such as occurs with griddles, fryers, broilers, ovens, ranges, and wok ranges. There is no smoke from fondue cooking because there is no combustion, and the pertinent question of "how much grease?" can be answered by MMC 2006 reference in paragraph 507.1 to NFPA 96-2004.

NFPA 96-2004 (and the more recent 2008 version) states in paragraphs, 4.1.1.1 and 4.1.1.2 that no exhaust system is required for cooking equipment if grease emissions do not exceed 5 mg/m³ with a test airflow of 500 cfm. It is interesting to note that the 2007 California Mechanical Code has included these NFPA 96 provisions in CMC paragraphs 507.1.5 and 507.1.6 (attached).

As summarized below (and attached as referenced reports), recent testing by Underwriters Laboratory and previous testing by Pace Analytical Services, Inc. confirm that grease emissions from the Melting Pot cooking process are significantly below the limit. Additionally, it should be recognized that the Melting Pot fondue heating and cooking process is significantly less intensive than with the appliances cited in MMC section 507.2.1. Accordingly, with the MMC referencing NFPA 96 2004, no exhaust system (either Type I or Type II) should be required.

Though it can be concluded by MMC section 507.1 reference to NFPA 96 2004 that no exhaust system should be required, for completeness of discussion, it is noted that Type II hoods are required by the Michigan Mechanical Code in section 507.2.2, for cooking

processes that produce heat and steam and do not produce grease or smoke, such as steamers, kettles, pasta cooker, dishwashing machines, and ovens. Again, it should be recognized that the Melting Pot heating and cooking process is significantly less intensive than with the appliances cited in this paragraph of code, particularly based on the process by which very small items of food are sequentially cooked by Melting Pot customers over a long period of time.

Type II hood requirements in the International Mechanical Code, which is the template for local adoptions of mechanical codes, have undergone a significant evolution in the last few years. In the IMC 2003 version, the stated exceptions for Type II hood requirements were related to dishwashers only. In the IMC 2006 version, an additional exception was added, which includes a list of eight electrically heated appliances exceptions, by name (toasters, steam tables, popcorn poppers, hot dog cookers, coffee makers, rice cookers, egg cookers, holding/warming ovens), and then states that "additional heat and moisture loads generated by such appliances shall be accounted for in the design of the HVAC system." Several small types of electric appliances are not on the IMC 2006 list, and because the list would likely be continuously added to and revised, an IMC revision has recently been approved, which removes the list of appliances names, while retaining the HVAC design requirement. From an International Code Council summary of the 08/09 code revision cycle, the recently approved IMC paragraph 507.2.2 reads:

507.2.2. Type II hoods. Type II hoods shall be installed above dishwashers and light-duty appliances that produce heat or moisture, except where the heat or moisture loads from such appliances are incorporated into the HVAC system design or into the design of a separate removal system. Type II hoods shall be installed above all light-duty appliances that produce products of combustion and do not produce grease or smoke. Spaces containing cooking appliances that do not require Type II hoods shall be ventilated in accordance with Section 403.3. For the purpose of determining the floor area required to be ventilated, each individual appliance that is not required to be installed under a Type II hood shall be considered as occupying not less than 100 square feet.

In preparing and submitting this revision, the Virginia code official and former IMC committee member indicated in his justification:

"Over the past several code cycles the exception has long surpassed the rule of this section. This proposal attempts to correct this fundamental flaw in the IMC. The laundry list of exceptions keeps growing each year. Now that the list of items that do not require hoods has exceeded the list of what does, the format must change also. It is only proper, for clarity and ease of use; that the codes reflect the more correct approach to these type issues. The original small list of exceptions was created to provide some relief for counter top type appliances. But the terms counter top never made it into the code and since then the list just keeps expanding. Designers and installers alike are taking full advantage of the philosophy that they can compare just about any other light duty appliance to one on the list and assert 'similarity,' and most

localities are approving light duty appliances without the benefit of hoods. Before the 1996 IMC was introduced two of the three legacy codes never required Type II hoods. To date, no evidence has been produced that reflects any negative results found in the many existing installations of these type appliances without hoods.”

In unanimously accepting this change “as submitted,” the report of code adoption hearings indicates that the IMC committee reasoned:

“Replacing the lists of appliances that do not require Type II hoods with this new language will allow more appliances to operate without hoods. Lists are never all-inclusive and this will allow new appliances that come on the market in the future to be operated without hoods.”

The code revision for section 507.2.2 allows sufficient HVAC capacity as an alternative for exhaust systems for emissions of heat and steam. Accordingly, Type II hoods should not be required over electric induction or infrared cooktop operations in Melting Pot restaurants because sufficient capacity to remove heat and moisture will continue to be incorporated into the Melting Pot HVAC design, and Melting Pot restaurants will conform to the new code IMC paragraph 507.2.2 requirements. Further, to ensure design integrity and conformance, we have verified with the new section 507.2.2 proposing code official his intent with respect to application by Melting Pot.

Because application of the new section 507.2.2 requirements may result in greater fresh air and building exhaust requirements than otherwise required by section 403.3, and because Melting Pot endeavors to provide sustainable (“green”) building designs, Melting Pot will continue to include energy recovery ventilators or equivalent equipment to minimize heating and cooling of fresh air.

Additionally, because neither Type I nor Type II exhaust systems would be required by this Product Approval, the restrictions of mechanical code section 5.14.2 would not apply, and building air would be allowed to exit through one or more energy recovery ventilators, which would result in significant reduction of added fresh air heating and cooling energy, on the order of 60–70%.

Laboratory Test By:

1. Underwriters Laboratory (UL) conducted testing as specified by UL standard 710B, section 17 (as referenced by UL 197) and NFPA standard 96 paragraph 4.1.1.2 on August 27-28, 2008. UL 710B requires emissions less than 5 mg/m^3 , and NFP96 (2004 and 2008 editions) states that an exhaust system is not required if grease emissions are less than 5 mg/m^3 when measured at 500 cfm. The UL testing realistically simulated cooking in a Melting Pot restaurant by using the induction cooker, cooking fluids, cooking pot, and food items specified and provided by the Melting Pot Restaurants, Inc. As sampled and analyzed by the rigorous test method of EPA 202, the average grease emission result from cooking with canola oil was 1.02 mg/m^3 , and the result from cooking with broth was 2.75 mg/m^3 – both less than the limit. Additionally, UL reported that in both sets of

tests, "no visible smoke was emitted," and "no noticeable amount of smoke accumulated in the test room after 8 hours of continuous cooking."

2. A similar test was performed in 2002 by Pace Analytical Services, Inc. The Pace testing was conducted to fulfill a City of Irvine, California requirement that the concentration of emissions be less than 5 mg/cm^3 , when cooking meat with oil in simulated restaurant conditions. This laboratory test was designed to exceed "worst case conditions," and it was conducted prior to the specification of testing at 500 cfm. Instead, airflow above the cooktop was provided by natural, buoyant convection from oil heated by the cooktop. Three independent tests yielded values of 1.6, 1.3, and 1.2 mg/cm^3 , with an average of 1.4 mg/cm^3 , per EPA method 202. It is significant to note this test with natural convection of emissions yielded results nearly identical to the UL test under a test hood set for 500 cfm airflow, which substantiates the accuracy of testing by two independent laboratories. Based on the PACE testing, no hoods were required in the Irvine restaurant, and jurisdictions reviewing these results for subsequent permitting (with the exception of Ann Arbor) have not required hoods in Melting Pot restaurants.

Pilot Service Experience and Conditions:

Cooktops (both electric induction and infrared) have been used in over 135 Melting Pot restaurants during the past 35 years with emission and environmental results acceptable to local building code officials, customers, and employees. The small concentration of grease laden vapors released by cooking is removed by normal fresh air supply and exhaust provided by HVAC systems, in accordance with codes that generally require 20 cfm per occupant supply to and exhaust from the building. Heat and water vapor released from heating cheese and chocolate courses or cooking in oil or water-based broth, is accommodated by cooling and condensation of respective sensible and latent loads. In some newer restaurants, where possible, energy recovery ventilators are part of the Melting Pot Restaurants' HVAC sustainable ("green") design practice, in order to minimize heating and cooling of the fresh air supply in an energy-conservative manner.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

DATE: November 3, 2008 M-08-22

TO: Board of Mechanical Rules

FROM: Tennison B. Barry, Chief, Mechanical Division

SUBJECT: Approval of Product

The items listed below have been reviewed by Mechanical Division staff.

The manufacturers, the products, and the recommendations of the Mechanical Division for approval or disapproval of the items for installation in the State of Michigan are as follows:

Manufacture:	Fondue Cooking Process (The Melting Pot Restaurants, Inc.)
Product:	Cooktek induction cooktop model MPD 1000, Mosshaim infrared cooktop model CVM-51100B, and Bon Chef pot.
Description:	Electric induction or infrared cooktops are permanently installed into dining room tables to provide a unique dining experience by "Fondue" heating and cooking. Customers experience a multi-course meal, which typically includes dipping various small items of food into cheese, oil or broth, and chocolate, with an intervening salad course during which the cooktop is turned off by the respective server and there is no heating or cooking. Throughout the dining experience, cooktops are controlled only by servers.
Test Results:	UL laboratories performed the EPA 202 test using Canola Oil and Vegetable Broth. In both test the results were in compliance with UL710B, section 17 and NFPA 96, 4.1.1.2 since the measured values of 1.02 mg/m ³ for canola oil and 2.75 mg/m ³ for vegetable broth were less than the 5mg/m ³ limit.

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Recommendation: Approval recommended for installation in the State of Michigan without a hood under the following conditions.

1. The additional heat and moisture loads generated by such appliances shall be accounted for in the design of the HVAC system.
2. For the purpose of determining the floor area required to be ventilated, each individual appliance that is not required to be installed under a hood shall be considered as occupying not less than 100 square feet for determination of ventilation capacity, inclusive of ventilation capacity required prior to consideration of unhooded appliances.



JENNIFER M. GRANHOLM
GOVERNOR

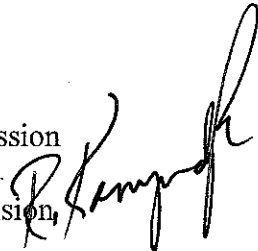
STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

DOCUMENT #09-08

December 16, 2008

TO: Members of the Construction Code Commission

FROM: Robert G. Konyndyk, Chief, Plumbing Division, 

SUBJECT: Certificate of Acceptance for SFA Saniflow Macerating Water Closet Systems

The applicant has requested consideration of a product very similar to those approved in No. 1537-PA.

APPLICANT REPRESENTATIVE:

Mr. Johan Bouwer

APPLICANT:

SFA Saniflo Inc.
105 Newfield Ave
Suite A & B
Edsion, New Jersey 08837

AUTHORITY:

Section 21 of 1972 PA 230 being section 125.1521 of the Michigan Compiled Laws.

PRODUCT:

SFA Saniflow macerating water closet systems which include the following:

1. SANIBEST
2. SANIPLUS
3. SANIPRO
4. SANIFLUSHPACK
5. SANIFLOW WATER CLOSET

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Members of the Construction Code Commission

Page 2

December 16, 2008

The system involves a grinder container attached to the supplied water closet. The container may also receive minor fixtures, depending on the system. Human waste and paper entering the unit are macerated and reduced to a slurry, by means of a rotating blade. The waste is pumped to the main soil pipe, septic tank or sewer through a 3/4 inch discharge pipe.

APPLICATION:

Small restroom macerating water closet systems

LABORATORY TESTS:

IAPMO and CSA product listings.

CONDITIONS OF USE AND INSTALLATION:

1. All requirements of the Michigan Plumbing and Electrical codes shall be applicable.
2. Installations shall be in accordance with the manufacturer's specifications.
3. Pumping action fixtures shall not be included in the system.
4. The unit shall be properly vented and drained in accordance with code details.

RECOMMENDATION:

The State Plumbing Board recommended the products to the commission for approval at their December 16, 2008 board meeting.

RGK/dmc